

In the Abstract

We provide a steel product that includes, by mass%, C: 0.35-0.7 %, Si: 0.30-1.1 %, Mn: 0.2-2.0 %, Al: 0.005-0.25 %, Ti: 0.005-0.1 %, Mo: 0.05-0.6 %, B: 0.0003-0.006 %, S: 0.06 % or less, P: 0.02 % or less, Cr: 0.2 % or less, and the balance Fe and inevitable impurities, and has a structure of bainite and/or martensite, the total volume fraction of bainite and martensite being 10 % or more, and an induction hardened member that is made of the steel product having a hardened surface layer formed by induction hardening and has a prior austenite grain size of 12 μm or less through the layer thickness. The member has high fatigue strength and therefore is suitable for an automobile drive shaft, an automobile constant velocity joint or the like.